

Date: Wed, 12 May 93 19:29:31 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V93 #574  
To: Info-Hams

Info-Hams Digest                      Wed, 12 May 93                      Volume 93 : Issue 574

Today's Topics:

Amateur radio in China - Capital offense?  
CFV to reorganize this group  
How's a Honda Accord w/50W VHF?  
Kits and more Kits (info wanted!!)  
Looking for bandpass filters for 140-150MHz  
Mods for ft726r to do 9600  
Ramsey KitsQSLss wanted (2 msgs)  
Selling the Airwaves -- News from Washington  
Yaesu 747/Icom 728 Comparison

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

-----  
Date: 12 May 93 18:32:27 GMT  
From: ogicse!emory!europa.eng.gtefsd.com!darwin.sura.net!sgiblab!a2i!  
davidj@network.UCSD.EDU  
Subject: Amateur radio in China - Capital offense?  
To: info-hams@ucsd.edu

In <1993May12.123440.3883@schbbs.mot.com> CMSC28@maccvm.corp.mot.com (Mark Hickey)  
writes:

>Hi all;

>I am moving to Beijing in the near future, and find myself asking...  
>"Can I operate in China?" I know that (at least in the past) this  
>would have been impossible (OK, highly illegal), and it appears

>that even reasonably sophisticated receiving equipment would have  
>not gotten through Chinese customs.

I've never had a problem taking anything from a Sony SWS1 through  
an R71 in. Transmitters might be another issue.

>But now, with some serious "loosening up", perhaps the ban against  
>amateur operators has been lifted? Anyone out there know anything  
>that would indicate I should pack up the Yaesu?

There isn't really a ban, it's just that you need to operate at a  
designated amateur club station. There have been DXpeditions where hams  
have taken equipment in and out in coop with a Chinese ham club,  
of which there are many. Mostly cw and mostly funky equipment,  
although this is changing fast. I know there was a posting on here  
or a nearby group from an American ham who was coordinating a  
packet gateway to China, try looking through the archives at  
ucsd.edu for mention of China.

I know that Beida (Beijing University) and Qing Hua, at least,  
have active ham clubs.

Good luck es 73  
WA6NMF

>Mark Hickey (WB9KWY)

--

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Josephson Engineering, San Jose California      MICROPHONES  
Tel/ 408-238-6062 Fax/ 408-238-6022      INSTRUMENTATION  
email:david@josephson.com ftp info from: rahul.net /pub/davidj/  
-----

Date: 11 May 93 23:26:15 GMT  
From: gossip.pyramid.com!pyramid!infmt!moose!randall@uunet.uu.net  
Subject: CFV to reorganize this group  
To: info-hams@ucsd.edu

zawodny@arbd0.larc.nasa.gov (Dr. Joseph M Zawodny) writes:

>Maybe I missed it somehow, but in case I am not alone I'll pass this on.  
>The Call For Votes (CFV) to reorganize rec.radio.amateur... has been out  
>since May 9, 1993. I stumbled across it in rec.radio.packet, but I did  
>not see it posted here. I've been told that it is also in news.groups  
>and a few other places. Whatever your disposition towards this proposed  
>reorganization, I encourage you to vote on it.

I encourage a "no" vote on this proposal. I appreciate the work that went into it, but there are far too many new groups being proposed. In the end, most of the new groups will have little or no activity, and everyone will keep using "misc".

--

=====

Randall Rhea	Informix Software, Inc.
Project Manager, MIS Sales/Marketing Systems	uunet!pyramid!infmx!randall

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Date: Wed, 12 May 1993 14:36:25 GMT  
From: munnari.oz.au!spool.mu.edu!torn!watserv2.uwaterloo.ca!watserv1!mks.com!  
richw@network.UCSD.EDU  
Subject: How's a Honda Accord w/50W VHF?  
To: info-hams@ucsd.edu

I have a VHF/UHF rig in my '84 Honda Accord. It works fine.

I had some alternator whine, but I solved it by putting a big filter in the DC power leads to the radio.

Also, be sure to connect the DC power leads as close as possible to the car battery. At first, I connected my rig's power to the cigarette lighter circuit; it worked OK when the car was running (though I had to add the aforementioned power line filter); but with the engine off, the voltage wasn't high enough to achieve reliable operation. Since I moved the power leads under the hood, I can work the rig with the engine off with no trouble.

--

Rich Wales <richw@mks.com> // Mortice Kern Systems Inc. (MKS)  
35 King St. N. // Waterloo, Ontario, Canada N2J 2W9 // +1 (519) 884-2251

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Date: 12 May 93 18:45:52 GMT  
From: ogicse!uwm.edu!ux1.cso.uiuc.edu!newsrelay.iastate.edu!news.iastate.edu!  
tarjan@network.UCSD.EDU  
Subject: Kits and more Kits (info wanted!!)  
To: info-hams@ucsd.edu

Ok.. I think it would be interesting to build my own tranceiver..

but I dont know ANY manufaturers of kits or anything like that..  
SO..

could you give me some names of Kit manufacturers (and numbers)  
And if you have delt with them your experiences..

Scot Kight  
tarjan@iastate.edu

Email or Net..  
(net is probably better since other people will want this info..)

--  
-----BEGIN PGP PUBLIC KEY BLOCK-----  
Version: 2.1

mQCNAiuSvfsAAAAEEANedvpkX74z4wwGW9f1M10bhLHL6UNb08mpH0q1UIxaKsfYt

-----  
Date: Wed, 12 May 1993 16:34:39 GMT  
From: nih-csl!postman@uunet.uu.net  
Subject: Looking for bandpass filters for 140-150MHz  
To: info-hams@ucsd.edu

My goal is to reduce interference (intermodulation, etc.) from  
signal sources outside the radio frequency band of my receiver.  
My receiver works in the 140-150 MHz range. What sorts of  
commercial bandpass filters are available? What kind of  
selectivity can I expect? What kind of loss? Are the  
filters already set up for the 50 ohm input of my receiver/coax,  
or will I have to impedance match? Is impedance matching necessary?

Please avoid answers like: 1) you can use a cavity (I know that),  
2) you can use an inductor and a capacitor (yea), 3) you can  
use a helical resonator (uh, huh). Answers like: " Toko Hi-power  
makes helical resonators..." might be of some use, but only a  
little. Rather, I am looking for specific details on parts,  
applications notes, and actual experience in using such a  
device.

For all who respond thoughtfully: thanks.

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Andrew Mitz | NIH Animal Center | Opinions are mine alone |  
Biomedical Engineer | Poolesville, MD | arm@helix.nih.gov |  
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Date: Sun, 09 May 1993 22:21:08 EDT  
From: mvb.saic.com!unogate!news.service.uci.edu!usc!howland.reston.ans.net!  
zaphod.mps.ohio-state.edu!uunet.ca!xenitec!lemsys!clemon@network.UCSD.EDU  
Subject: Mods for ft726r to do 9600  
To: info-hams@ucsd.edu

I am asking this for a friend....

Are there any mods for the ft726R to allow 9600 bps packet operation? I can't recall what the best mod ftp sites are so I've only checked local packet boards to no avail...

Thanks in advance,

--

Craig Lemon VE3XCL (Advanced) - clemon@lemsys.UUCP <-home-> +1 519 741 0297  
SCHOOL: calemon@sunee.uwaterloo.ca | Electrical Engineering  
TCP/IP: ve3xcl@ve3xcl.ampr.org [44.135.84.51] | University of Waterloo  
AX.25 Packet: ve3xcl@ve3euk.#SWON.ON.CAN.NA | Waterloo, Ontario, CANADA

-----  
Date: 12 May 1993 14:31:04 GMT  
From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!  
zaphod.mps.ohio-state.edu!malgudi.oar.net!news.ysu.edu!yfn.ysu.edu!  
ag821@network.UCSD.EDU  
Subject: Ramsey KitsQSLss wanted  
To: info-hams@ucsd.edu

In a previous article, Cecil\_A\_Moore@ccm.hf.INTel.COM (Cecil A Moore) says:

>>> He will not buy another Ramsey.  
>>You didn't say, did you call Ramsey and try to resolve the problem with  
>>them? I've never purchased one of their kits but would certainly try to  
>>make a call if there was a problem. If you did call how were you treated.  
>

>I have purchased and built the Ramsey FTR-146, FX-146, and FX-440. There  
>were minor problems with each kit, too many or too few parts. If it was  
>a five cent resistor missing, I just picked it up at Radio Shack. But  
>for things like a varicap or a pot missing, Ramsey responded immediately  
>with replacement parts and an apology. The Ramsey FX kits have a distinct  
>advantage over anything from Japan. They can be EASILY interfaced to a  
>microcontroller or a personal computer. Given that, you can make them  
>do everything a Japanese transceiver can do and then some...KG7BK  
>

>Cecil\_A\_Moore@ccm.hf.intel.com at Internet\_Gateway

>

Well I was going to stay out of this..but

I purchased a ft146 and the cabinet kit. I really liked the way the kit went together and especially the manual and how you got to test various sections as you completed them.

First, parts wer missing, some parts seemed real high quality.1. some were out right garbage

I put it together and tried to follow the alignment procedure. I couldn't get it to work.. had a Masters level EE major help me... turned out the crystals were off freq. and the coils needed to be stretched way past what they suggested.

I called Ramsey and got their technical support person who informed me that they had gotten a large number of bad crystals from the manufacturer and since they were stuck with them, I was stuck with them. He gave me a procedure to bring the crystals on freq... well ti didn't work..but my friend was able to bring them close enough to get the radio to work

I was a little upset and wrote an angry letter to Ramsey Kit.. Mr. Ramsey called me and proceded to tell me the crystals were fine and I must have built the kit wrong and wnated to know who the person was that told me about the crystals (decided not to get an honest guy in trouble). Mr. Ramsey told me a bunch of other stuff which turned out to be a load of cr.p.

This was my first kit and I didn't know much about things. Sure didn't enjoyu being lied to.

I think Mr. Ramsey is a low life.

73

Jeff,AC4HF

--

Jeff M. Gold, AC4HF  
Manager, Academic Computing Support  
Tennessee Technological University

-----  
Date: Wed, 12 May 1993 15:01:56 GMT  
From: haven.umd.edu!darwin.sura.net!howland.reston.ans.net!sol.ctr.columbia.edu!  
news.kei.com!news.oc.com!gumaer@ames.arpa

Subject: Ramsey KitsQSLss wanted  
To: info-hams@ucsd.edu

Jeff Gold (ag821@yfn.ysu.edu) wrote:

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> >

> >Cecil\_A\_Moore@ccm.hf.intel.com at Internet\_Gateway

> >

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> 73

> Jeff,AC4HF

> --

> Jeff M. Gold, AC4HF  
> Manager, Academic Computing Support  
> Tennessee Technological University

Well Jeff, after reading your letter and other peoples letters, I believe the  
Ramsee should pack their bags and get out of the radio field. If their not going  
to do better with their products, then IMO they should close.

Thank about it people, only about 5% of the public has access to E-Mail  
and to the internet. Just think of all the people that has bought Ramsee radios  
and couldn't voice their opinion. I bet there are a lot of them.

In short, I feel sorry for the consumers.o

-----  
Mark Gumaer (KA5YUV) | Vice-President-Elect Radio East Texas State University  
gumaer@merlin.etsu.edu| Editor Radio E.T.S.U. Newsletter  
| Phone (903) 886-2084 (on weekdays)  
| (903) 356-2253 (on weekends)  
| FAX (903) 886-2084  
Ham Radio 146.78 or 147.02 Mhz

AKA: Don Begal in Duelmasters, Jurine DM61  
Goomar in Adventures Guild, Antar  
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-----  
Date: Wed, 12 May 1993 13:51:02 GMT  
From: elroy.jpl.nasa.gov!usc!cs.utexas.edu!csc.ti.com!tilde.csc.ti.com!  
fstop.csc.ti.com!linnig@ames.arpa  
Subject: Selling the Airwaves -- News from Washington  
To: info-hams@ucsd.edu

Airwave auction bill advances



New York Times News Service

WASHINGTON -- The House Energy and Commerce Committee overwhelmingly approved a bill yesterday that would allow the government to auction radio frequencies for the first time. The frequencies will be used for advanced wireless telephones and other new technologies.

The bill, which has heavy support from the White House and is given strong chances of becoming law within the next few months, would bring about a significant change in how the government manages the airwaves.

Licenses to use the radio-frequency spectrum -- whether for traditional television and radio broadcasts or for more specialized uses such as cellular phone networks -- are collectively worth billions of dollars.

Until now the government has awarded the licenses either through lotteries or a long process in which competing applications are evaluated in hearings.

The bill, which the committee approved 36 to 8, would allow the Federal Communications Commission to award licenses to the highest bidders and turn the money over to the Treasury.

The bill would primarily affect licenses for "personal communication services," an emerging family of technologies that includes everything from Dick Tracy-style wristwatch telephones to palm-size computers and electronic notebooks that communicate over the airwaves.

The FCC is in the process of allocating a broad band of frequencies for the new services, and it hopes to begin assigning licenses by early next year. The bill approved yesterday would require the FCC to start issuing licenses within nine months of the bill's enactment.

It would also order the government to make available for new commercial technologies a big block of frequencies now used by federal agencies. The federal users would either be moved to other frequencies or would adopt nonradio technologies.

The Congressional Budget Office estimates that auctions of the radio spectrum could raise \$7 billion over the next five years; the measure approved yesterday will be incorporated into the House's overall budget bill.

The Senate is working on a similar measure. Although details of the Senate bill remain up for debate -- such as whether to give special treatment to rural telephone companies -- the broad outlines of an auction plan seem all but certain to pass.

Support for auctions has increased markedly in the past few months, partly because of prodding from the Clinton administration and partly because of unhappiness over the lotteries. A wide range of critics long have contended that lotteries merely reward speculators, who apply for licenses and then resell them on the private market for a quick profit.

-----  
Date: Wed, 12 May 1993 16:33:03 GMT  
From: dog.ee.lbl.gov!overload.lbl.gov!agate!spool.mu.edu!news.nd.edu!  
mac32@network.UCSD.EDU  
Subject: Yaesu 747/Icom 728 Comparison  
To: info-hams@ucsd.edu

I am considering both a Yaesu 747 and an Icom 728 for a first HF rig. So far the extent of my reasoning has been:

Both rigs have general coverage reception, noise blanker, -20 dB attenuator, and squelch. Output power is the same. Neither has a notch filter. Both require optional modules for FM. Both seem to be capable of computer control. Weight and size apparently are comparable. So none of these factors helps to distinguish the two rigs.

On the plus side for the Yaesu is the provided CW filter. On the plus side for the Icom is passband tuning and a built-in pre-amp. The Icom has 3 IFs as compared to 2 IFs for the Yaesu, but probably this matters less than the actual implementation of the design. It appears that the cooling system for the Yaesu may be superior. Accessories for the Icom seem to be more plentiful, but I'm not sure I would use them. Also, I have heard that Icom service has been a problem for some.

If anyone can add to or correct my impressions, especially as based on actual use, I would be very appreciative. The above is based on literature I have been able to collect, and I have not had the chance yet to examine either unit (no nearby dealers).

TNX de N9SQE.

-----  
Date: Wed, 12 May 1993 14:36:22 GMT  
From: agate!howland.reston.ans.net!noc.near.net!squam.banyan.com!banyan.com!  
dts@ames.arpa  
To: info-hams@ucsd.edu

References <1sojqb\$bvb@chnews.intel.com>, <C6vH38.4L7@squam.banyan.com>,  
<1sphrr\$176@chnews.intel.com>  
Subject : Re: How's a Honda Accord w/50W VHF?

In article <1sphrr\$176@chnews.intel.com>, jrbromley@joshua.intel.com (James Bromley~) writes:

|> In article <C6vH38.4L7@squam.banyan.com> dts@banyan.com (Daniel Senie) writes:

|>

|> >> [my comments on alternator whine deleted]

|>

|> >I'll answer this one... We disconnected the radio in Faith's Honda  
|> >from the car power system all together and powered it from a separate  
|> >battery in the back seat. The noise problem persisted. The noise is  
|> >DEFINITELY not entering the radio from the power leads. It's coming  
|> >down the antenna feedline.

|>

|> I responded to Faith that stuff coming down the antenna lead isn't  
|> what I call "alternator whine". Alternator RFI, maybe.

|>

|> And if that is what it is, Radio Shack sells a kit with a coaxial  
|> capacitor in it that you could put in the output lead of the  
|> alternator. But, as I said to her, I think it's something else that  
|> kinda sounds like alternator whine, but isn't. My chief suspect is  
|> the engine control computer.

|>

|> >Another interesting datapoint: our other vehicle is a Nissan  
|> >Pathfinder. Same radio (we each have FT-5200's in our mobiles). The  
|> >pathfinder does not have trouble with noise from itself, but if I  
|> >have it next to Faith's Honda and the honda is running, the same  
|> >noise she gets in her radio comes into my radio. I have noticed this  
|> >out on the highway as well, when passing SOME other hondas.

|>

|> Whew! This one's gonna be a toughie, all right.

We were talking with our elmer the other night. Another one of the folks has the same problem with his honda. We are planning on having an RFI clinic on the two cars one of these Monday nights. (We get together at WA1RHP's house on Mondays to do electronic projects).

Tom (RHP) has a nice design for a sniffer loop which can be used to find noise sources even in fairly noisy surroundings (i.e. the thing is deaf beyond an inch or two). We'll be going through the car with that.

I am wondering about the electronic ignition circuits. This car has no points for the spark generation, so I'm thinking the SCRs and such used for the switching might be radiating.

The noise IS related to engine RPM. I guess I should look at the audio waveform coming out of the radio with a scope and see if anything looks interesting there. The DC power did have pretty patterns which were in a picture in the ARRL RFI book, but the filtering took that out. There is still a slight transient (very

low voltage) of 3 phase noise, but given the battery experiments, that did not seem to be too important. Perhaps it tells us something about the alternator as an RFI source though?

You talked about (in one of the messages) putting capacitors in/around the alternator. Could you explain the hookup further?

```
|>
|> >Honda does not seem to think it is worth their time shielding
|> >anything for emissions. They DO shield their computers against
|> >outside RF getting in.
|>
|> >I've gotta wonder whether automobiles are subject to FCC Part 15 (at
|> >least for their computer components?). I have never seen an FCC Part
|> >15 notice on any car, but since cars ARE operated in residential
|> >neighborhoods, they probably should be Class B certified.
|>
|> That's an excellent point. However, looking at the political fights
|> that crop up whenever someone suggests that consumer electronics have
|> RFI shielding, I wouldn't hold my breath.
|>
```

Yeah. I brought this one up because Honda's attitude is really poor. Ed Hare at ARRL HQ got a letter from them that was pretty negative, and I got the same line from the same guy at Honda via telephone. Basically if their cars are broadband noise sources, they don't want to know about it. The only way Honda will live up to it is by FCC or other Federal mandate. Needless to say I'll avoid Honda in the future (Toyota is already on my s\*\*t list, not even for RFI reasons :).

```
|> >The radio is fed from the battery...
|>
|> Yeah, you've eliminated any possibility of power-line noise.
|>
|> >73,
|> >
|> >Dan N1JEB
|>
|> Hey, Dan! Wanna trade callsigns? ;-)
|>
|> James E. Bromley, W5GYJ
|>
```

--

-----  
Daniel Senie  
Banyan Systems, Inc.  
508-898-1188

Internet: dts@banyan.com  
CompuServe: 74176,1347  
Packet Radio: N1JEB@WA1PHY.MA

-----  
Date: (null)  
From: (null)  
Tony

-----  
Tony Pelliccio kd1nr/ae      "Usenet is like a herd of performing elephants  
\*!\*!\*!\*!\*!\*!\*!\*!\*!\*      with diarrhea -- massive, difficult to  
system@garlic.sbs.com      redirect, awe-inspiring, entertaining, and a  
-----      source of mind-boggling amounts of excrement  
when you least expect it." --spaf (1992)

-----  
Date: 12 May 93 02:39:05 GMT  
From: anomaly.sbs.com!kd1nr!news@uunet.uu.net  
To: info-hams@ucsd.edu

References <PART0S.93May10143338@larry.larc.nasa.gov>,  
<1993May11.100612.50022@kuhub.cc.ukans.edu>, <C6vCsz.Atl@murdoch.acc.Virginia.EDU>  
Subject : Re: Still 8 weeks for license

smith@hgraph.cs.Virginia.EDU (John W. Smith) writes:

>            I mailed my Novice application 610 in on 2 April, got the ticket  
> issued on 20 April, and got it in the mail on 23 April.  
>  
>            I passed the Tech exam at a VE session on 1 May, but no new  
> license yet :-) Could it be that the VE process is what's taking  
> so long?

Think about it, almost three weeks of your license processing are  
chomped up by the VE's and VEC's. They sure as hell slow things down.  
Pretty soon though, the FCC will be allowing electronic transmission of  
610's etc... so that should speed things up alot!

-----  
Date: 12 May 1993 14:40:19 GMT  
From: elroy.jpl.nasa.gov!swrinde!dptspd!tamsun.tamu.edu!cs.tamu.edu!kurt@ames.arpa  
To: info-hams@ucsd.edu

References <1s48dc\$95c@network.ucsd.edu>,  
<1993May3.231508.11446@nnntpd2.cxo.dec.com>, <2288@indep1.UUCP>cs.  
Subject : Re: Need for foul language?

Concerning the "foul language" debate:

I have written a program that will filter out all possible words that may be Politically Incorrect or offend anyone's sensibilities or wordaphobae(tm). Here is the output of a processed message addressing the problems of No-code, repeater coordination, spectrum allocation, long FCC response, et al:

```
----- Beginning of message -----
The          a          of
              in          the          for
            if          like          well
              the          a          for
                in          because
              of          to
```

73,  
Kurt

```
----- End of message -----
```

Are there any more words which will offend people's sensitivities?

--

Kurt Freiberger, wb5bbw kurt@cs.tamu.edu 409/847-8607 fax:409/847-8578  
Dept. of Computer Science, Texas A&M University DoD #264: BMW R80/7 pilot  
"We preserve our freedom using three boxes: ballot, jury, and cartridge."  
\*\*\* Not an official document of Texas A&M University \*\*\*

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End of Info-Hams Digest V93 #574

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